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June 18, 2004

PATENT APPLICATION DOCKET NO.: 2134.2009-001

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Applicant:

Raymond J. Bergeron, Jr.

Application No.: 10/645,348

Group Art Unit: 1614

Filed:

August 21, 2003

Examiner:

JUN 2 1 200

Not Yet Assigned

Confirmation No.: 7060

Title:

Antioxidant and Radical Scavenging Activity of Synthetic Analogs of Desferrithiocin

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:		
This	Information Disclosure Statement is submitted: under 37 CFR 1.129(a), or (First/Second submission after Final Rejection)	
[X]	under 37 CFR 1.97(b), or (Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).	ı
[]	under 37 CFR 1.97(c) together with either: [] a Statement under 37 CFR 1.97(e), as checked below, or [] a \$180.00 fee under 37 CFR 1.17(p), or (After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)	
[.]	under 37 CFR 1.97(d) together with: [] a Statement under 37 CFR 1.97(e), as checked below, and [] a \$180.00 fee under 37 CFR 1.17(p), or (Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)	
[]	under 37 CFR 1.97(i): Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper. (Filed after payment of issue fee)	

State	ment Un	<u>ider 37 (</u>	CFR 1.97(e)				
[]	any co	Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or					
[]	comm knowl in the	No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.					
State	ment Un	nder 37 ((Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 2000				
[]	comm was n	nunication of receive	information contained in the Information Disclosure Statement was cited in a son from a foreign patent office in a counterpart application and this communication yed by any individual designated in § 1.56(c) more than thirty days prior to the aformation Disclosure Statement.				
[X]	Enclosed herewith is form PTO-1449:						
	[X]	Copie	s of the cited references (AN, AO, AR2-AZ2, AR3-AZ3 & AR4-AT4) are enclosed.				
		[X]	Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.				
	[]	Applic	s of the cited references are enclosed except those entered in prior application, U.S. cation No. [], to which priority under 35 U.S.C. 120 is claimed. [The earlier ation contains copies of the cited references.]				
	[]	The list	sted references were cited in the enclosed International Search Report in a erpart foreign application.				
	[X]	The "c	concise explanation" requirement (non-English references) for reference AO under R 1.98(a)(3) is satisfied by:				
		[]	the explanation provided on the attached sheet.				
		[]	the explanation provided in the Specification.				
		[]	submission of the enclosed International Search Report.				
		[]	submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.				
		[X]	the enclosed English language abstract.				

[]	A	pplic	cant requests that the following r	non-published pending application	cations be considered:
Examiner's Initials	5				
	-		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
	_		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
	-		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
			Examiner	Date	_
	[]	A copy of each above-cited app	olication, including the curre	ent claims, is enclosed.
	[]	A copy of each above-cited app those entered in prior application 35 U.S.C. 120 is claimed.	plication, including the curre on, U.S. Application No. [ent claims, is enclosed, exception], to which priority under
			r is requested to return a copy of re considered with the next offic		plications indicating which
It is re	qu	ested	that the information disclosed h	erein be made of record in t	his application.
Metho	od o	of pay	yment:		
[]			ck for the fee noted above is enc panying Reply. A copy of this S		cluded in the check with the
[]	Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement i enclosed.				
[X]	P	lease	charge any deficiency in fees ar	nd credit any overpayment to	Deposit Account 08-0380.
			I	Respectfully submitted,	
			I	HAMILTON, BROOK, SMI	TH & REYNOLDS, P.C.
			I	Jesse A. Fecker Registration No.: 52,883 Telephone: (978) 341-0036 Facsimile: (978) 341-0136	

Concord, MA 01742-9133 Dated: 6-17-04

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 2134.2009-001		APPLICATION NO. 10/645,348		
SUPPLEMENTAL INFORMATION DISCLOSURE CITATION OIN AN APPLICATION	FIRST NAMED INVENTOR Raymond J. Bergeron, Jr.		FILING DATE August 21, 2003		
May 28, 2004 (Use several sheets if necessary)	EXAMINER Not Yet Assigned	CONFIRMATION NO. 7060		GROUP 1614	

			U.S. PA	TENT DOC	UMENTS				
EXAM- NER NI- IIAL	REF. NO.				ISSUE DATE / PUBLICATION DATE MM-DD-YYYY		NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT		
	AC	3,274,207		09-20-196	6	Kollonitsch	Kollonitsch		
	AD	4,457,935		07-03-198	4	Iwao et al.			
	AE	4,558,059		12-10-198	5	Kawasaki et d	ıl.		
	AF	4,736,060		04-05-198	8	Tomuro et al.			
	AF	4,914,208		04-03-199	0	Jakob et al.			
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	AK			12-09-199	7	Malfroy-Cam	Malfroy-Camine et al.		
	AA2	AA2 5,840,739 AB2 6,080,764		11-24-199	8	Bergeron, Jr.	Bergeron, Jr. Chihiro et al. Bergeron, Jr. Facchini Bergeron, Jr.		
	AB2			06-27-200	0	Chihiro et al.			
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	AG2	US 2002/0049316 A1		04-25-200	2	Halbert et al.	Halbert et al.		
		F	OREIGN	PATENT DO	OCUMENTS				
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)		DATE -DD-YYYY		EE OR APPLICANT DOCUMENT	TRANS	LATION NO	
	AN	WO 00/16763	03-	-30-2000	University of Flo Foundation, Inc.,				
AO		WO 01/27119 A3 04-		-19-2001 Gruenenthal GMBI		ВН	н		
		OTHER DOCUMEN	TS (Inclu	ding Author,	Title, Date, Pertinent I	Pages, Etc.)			
	AR2	Bergeron, R.J., et al., "A Compar With Desferrioxamine B in a Cel					hiocin An	alogues	

EXAMINER	DATE CONSIDERED

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	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
AS2	Bergeron, R.J., et al., "An Investigation of Desferrithiocin Metabolism," J. Med. Chem., 37(18):2889-2895, (1994).
AT2	Bergeron, R.J., et al., "Desazadesmethyldesferrithiocin Analogues as Orally Effective Iron Chelators," J. Med. Chem., 42(1):95-108, (1999).
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AV2	Bergeron, R.J., et al., "Evaluation of the Desferrithiocin Pharmacophore as a Vector for Hydroxamates," J. Med. Chem., 42(15):2881-2886, (1999).
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AR3	Bierer, B.E. and Nathan D.G., "The Effect of Desferrithiocin, an Oral Iron Chelator, on T-Cell Function," Blood, 76(10):2052-2059, (1990).
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AU3	Denicola, A., et al., "Desferrioxamine Inhibition of the Hydroxyl Radical-Like Reactivity of Peroxynitrite: Role of the Hydroxamic Groups," Free Rad. Biol. Med., 19(1):11-19, (1995).
AV3	Green, E.S.R., et al., "The Efficacy of Monohydroxamates as Free Radical Scavenging Agents Compared with Di- and Trihydroxamates," Biochem. Pharm., 45(2):357-366, (1993).

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May 28, 2004 (Use several sheets if necessary)	EXAMINER Not Yet Assigned	CONFI 7060	RMATION NO.	GROUP 1614

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
AW3	Grisham, M.B., et al., "Prooxidant Properties of 5-Aminosalicylic Acid: Possible Mechanism for Its Adverse Side Effects," Digestive Diseases and Sciences, 37(9):1383-1389, (1992).
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AR4	Halliwell, Barry, "Protection Against Tissue Damage in vivo By Desferrioxamine: What Is Its Mechanism Of Action?" Free Radical Biology & Medicine, 7:645-651 (1989).
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